Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/19/2017 10:40 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124391	-1	1.71	124325	1.71
Blue	F	SSC	125000	123379	-2	3.26	123854	3.16
Blue	E	FITC	23355	22734	-3	2.57	1010	10.39
Blue	D	PE	28848	28446	-2	2.10	1019	9.72
Blue	B	PerCP-Cy5-5	47791	47060	-2	3.50	1354	16.54
Blue	A	PE-Cy7	41358	40924	-2	5.12	632	34.79
Red	C	APC	51316	50596	-2	2.70	2924	9.25
Red	A	APC-Cy7	53225	52040	-3	2.71	1073	10.98
Violet	B	V450	14473	13658	-6	3.36	660	9.01
Violet	A	V500	59973	58507	-3	3.07	2599	6.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19786	3.44	605	7	N/A	N/A	Pass
Blue	F	SSC	61407	2.01	536	2	N/A	N/A	Pass
Blue	E	FITC	114	39.65	541	-3	0.0205	205	Pass
Blue	D	PE	224	29.12	536	-2	0.1690	269	Pass
Blue	B	PerCP-Cy5-5	211	44.10	626	-4	0.0106	101	Pass
Blue	A	PE-Cy7	73	113.22	678	-3	0.0124	17	Pass
Red	C	APC	343	26.73	588	-6	0.0212	53	Pass
Red	A	APC-Cy7	118	39.63	568	-8	0.0059	1633	Pass
Violet	B	V450	79	43.70	474	3	0.0419	1857	Pass
Violet	A	V500	189	23.51	506	5	0.0127	355	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.68	-31.25	0.84
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.34
Red	19.11	13.27 - 19.91	N/A	N/A	31.31	31.72	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10229

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments